

**Sessional Examination**  
**B.Sc. 6<sup>th</sup> Semester (G)**  
**Subject: Botany**  
**Paper: E 601**  
**(Ecology and Utilization of Plants)**  
**Full marks: 40**

Q. 1 Answer the following (any 4)

1×4 = 4

- a) What is climax?
- b) What is standing crop?
- c) What is the scientific name of cotton?
- d) Which part of jute is economically important?
- e) What is Synecology?
- f) What are the components of an ecosystem?

Q. 2 Answer the following (any 3)

2×3= 6

- a) Write about the composition of a simple ecosystem with example.
- b) Write the sources and uses of rice.
- c) Name two types of rubber.
- d) Write the uses of cotton seed.
- e) What is food web?

Q. 3 Write a note on (any 4)

5×4= 20

- a) Ecological pyramid
- b) Ecological succession
- c) Cotton and jute
- d) Bamboo and rubber
- e) Food chain
- f) Trophic levels

Q. 4 Describe about (any 1)

10×1= 10

- a) Nitrogen Cycle
- b) Carbon cycle
- c) Composition and functioning of pond ecosystem
- d) Community ecosystem